



[2345/108]

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DEIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Hans Wilfried Peter KOOPS

Serial No. : 09/462,283

Filed : March 29, 2000

For : METHOD FOR PRODUCING ACTIVE OR PASSIVE
COMPONENTS ON A POLYMER BASIS FOR
INTEGRATED OPTICAL DEVICES

Art Unit : 1765

Examiner : S. Ahmed

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450I hereby certify that this correspondence is being deposited with the
United States Postal Service as first class mail in an envelope addressed
to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-
1450 onDate: Aug. 5, 2003Signature: Linda M. Shudy

Linda M. Shudy (Reg. No. 47,084)

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*AC 1700*TRANSMITTAL OF AMENDMENT AND REQUEST TO EXTEND

SIR:

Please find an Amendment, in response to an Office Action dated February 5, 2003 (the three-month shortened statutory date of May 5, 2003 being extended by three months to August 5, 2003), transmitted herewith for filing in the above-identified patent application.

The Commissioner is authorized to charge the extension fee of \$930.00 to the Kenyon & Kenyon Deposit Account No. **11-0600**. The Commissioner is also authorized, as appropriate and/or necessary, to charge any additional fees (including any other Rule 136(a) extension fees) or credit any overpayment to Deposit Account No. **11-0600**. A duplicate copy of this transmittal letter is enclosed for that purpose.

Respectfully submitted,

(By: Linda M. Shudy)
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Date: Aug 5, 2003

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AMENDMENT

SIR:

In response to the Office Action having mailing date February 5, 2003, please reconsider the above-identified application based on the following.

IN THE CLAIMS:

Please amend claim 7 without prejudice as follows:

7. (Twice amended) A process for fabricating active and passive polymer-based components for use in integrated optics according to a principle based on one of a gas-phase diffusion and a liquid-phase diffusion, comprising the steps of:

depositing onto an optoelectronic component at least one patternable polymer resist layer that is highly sensitive and that effects an intense polymerization when exposed;

producing an etching mask by exposing defined regions of the at least one patternable polymer resist layer corresponding to a later component;

transferring a geometry of the etching mask through a high-grade anisotropic deep etching into unprotected regions of the at least one patternable polymer resist layer located

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